

Calendar

DAWN PATROL UPDATE

AUGUST

5 Sturgis. Kirsch Municipal (IRS), 7 a.m. - Noon. Fly-In/Drive-In Breakfast. Sponsored by Sturgis Exchange Club. Call 616-651-2821.

19 Pontiac. Oakland County International Airport (PTK) Pontiac Airport Open House. 10a.m.-4p.m. Pancake breakfast also hosted by 99's. Sponsored by Oakland County International Airport Open House Committee. Call 248-886-0057.

AUGUST

7-12 International Comanche Society convention in Detroit area. Safety and Educational Seminars, Membership meetings, area and museum tours. Contact Jim Schock at 248-650-6076.

John Engler, Governor

MICHIGAN AERONAUTICS COMMISSION

Robert Bender, Chair - Middleville
Fred Rakunas, Vice Chair - Eastport
Tom Davis, Waterford
Alice J. Gustafson, Pontiac
Lowell E. Kraft, Pigeon

Greg Rosine, Director
Michigan Department of Transportation

Capt. John Ort
Michigan State Police

Brigadier General Ronald L. Seely
Michigan Department of Military Affairs

Cuy Gordon
Michigan Department of Natural Resources

William E. Gehman, Director
Michigan Aeronautics Commission

Barbara Burris
Executive Assistant to the Commission

Kenneth Schaschl - Editor
MDOT Specialized Technology/Graphics - Graphic Design

THE MICHIGAN AIR TOUR 2001 IS COMING September 21 - 23, 2001

The purpose of this year's Air Tour is to publicize the Michigan airports which have been recently improved by Federal, State and Local airport funding.



The Michigan Air Tour (MAT) is open to all pilots. Participants will meet at Benton Harbor's Southwest Regional Airport on Friday morning, September 21, at 8:00 a.m. for registration, coffee and donuts. The Tour will continue with a stop at Holland Tulip City, and lunch at Clare Municipal Airport. Then, on to Gaylord, Otsego County Airport, where a "Wings" Safety Seminar is scheduled. The tour participants will overnight at Gaylord's Holiday Inn. Saturday morning all participants will depart for St. Ignace, then on to Sault Ste. Marie, Sanderson for lunch and a presentation. On Saturday afternoon, the MAT will return to the Gaylord, Otsego County airport. Activities that evening will include the Annual Banquet and meeting of the Michigan Aviation Association. The participants will again spend the night at the Gaylord Holiday Inn. On Sunday, the group will depart for the Troy, Oakland Troy airport, then on to the final stop of the tour, Grosse Ile Municipal airport, where lunch will be served. After lunch, those participating in the Ambassador tour will continue on to the Cleveland, Burke Lakefront airport to overnight and tour the many museums in Cleveland.

For more information regarding the Michigan Air Tour, contact this year's Tour Directors: Bob Shafer, (734) 692-3434, rshafer@ibm.net or Steve Weaver, (734) 761-1664, TankerLead@aol.com.

Published Bimonthly for Users of Michigan's Air Transportation System

VOLUME 34 NUMBER 3 THIRD ISSUE 2001

MICHIGAN Aviation



OFFICIAL PUBLICATION, BUREAU OF AERONAUTICS, DEPARTMENT OF TRANSPORTATION
2700 E. Airport Service Drive Lansing, Michigan 48906-2160 Telephone: 517-335-9283
www.mdot.state.mi.us/aero/

THIRD ISSUE 2001

22,000 copies printed
Total cost \$5400.40
Cost per issue \$245.45



PRSRTD STD

U.S. POSTAGE
PAID

Lansing, Michigan
Permit No. 1200



Going Your Way?

See page 3 and SUA insert.



COMMISSION ACTION

The Michigan Aeronautics Commission met on May 23, 2001 in Holland. Action items included approval of funding for airport improvements across the state. Some projects have federal, state, and local funding, while others are funded from state and/or local sources alone. Commission approval for federally funded projects authorizes state participation, subject to issuance of a federal grant. Federal and state dollars for airport development are primarily from restricted, user generated funds. The primary sources of revenue are aviation fuel and passenger taxes, as well as aircraft registration fees.

Following are approved projects:

ANN ARBOR

Ann Arbor Municipal Airport - an allocation of \$166,667 for an airport layout plan update, construction of an access road, and an apron expansion. The proposed budget consists of \$150,000 federal, \$8,333 state, and \$8,334 local funds.

CADILLAC

Wexford County Airport - an allocation of \$95,000 for an airport layout plan update and for paint marking of a rehabilitated apron and taxiways. The proposed budget consists of \$85,500 federal, \$4,750 state, and \$4,750 local funds.

CHARLEVOIX

Charlevoix Municipal Airport - an allocation of \$70,000 for an airport layout plan update and to relocate the runway threshold lights. The proposed budget consists of \$63,000 federal, \$3,500 state, and \$3,500 local funds.

CHARLOTTE

Fitch H. Beach Municipal Airport - an allocation of \$166,667 to acquire land for a future new runway. The proposed budget consists of \$150,000 federal and \$16,667 local funds.

DETROIT

Detroit Metropolitan Wayne County Airport - an allocation of \$19,934,572 to construct a new taxiway, improve taxiway fillets, install navigation aids on new Runway 4/

22, and to relocate various FAA equipment. The proposed budget consists of \$14,358,322 federal and \$5,576,250 local funds.

DRUMMOND ISLAND

Drummond Island Airport - an allocation of \$66,000 for an airport layout plan update. The proposed budget consists of \$59,400 federal, \$3,300 state, and \$3,300 local funds.

GAYLORD

Otsego County Airport - an allocation of \$166,667 for engineering and design work for a project to expand the apron and to widen and strengthen a runway. The proposed budget consists of \$150,000 federal, \$8,333 state, and \$8,334 local funds.

GRAND LEDGE

Abrams Municipal Airport - an allocation of \$60,000 for an environmental assessment for a future runway extension project. The proposed budget consists of \$54,000 federal, \$3,000 state, and \$3,000 local funds.

GROSSE ILE

Grosse Ile Municipal Airport - an allocation of \$166,667 for construction of taxiways and ramps. The proposed budget consists of \$150,000 federal, \$8,333 state, and \$8,334 local funds.

HOLLAND

Tulip City Airport - an allocation of \$164,000 for preliminary design work for road relocations and tunnel construction necessary for a runway extension project. The proposed budget consists of \$147,600 federal, \$8,200 state, and \$8,200 local funds.

HOUGHTON LAKE

Roscommon County Airport - an allocation of \$32,000 for design work to rehabilitate the parallel taxiway. The proposed budget consists of \$28,800 federal, \$1,600 state, and \$1,600 local funds.

HOWELL

Livingston County Airport - an allocation of \$2,600,000 for land acquisition to relocate and extend the runway. The proposed budget consists of \$1,185,000 federal, \$1,155,000 state, and \$260,000 local funds.

IRON RIVER

New Iron County Airport - an allocation of \$75,000 for an environmental assessment for a new airport. The proposed budget consists of \$67,500 state and \$7,500 local funds.

LAKEVIEW

Lakeview-Griffith Field - an allocation of \$91,111 for design work for taxiway and apron rehabilitation and to rehabilitate the airport beacon. The proposed budget consists of \$82,000 federal, \$4,555 state, and \$4,556 local funds.

LAMBERTVILLE

Toledo Suburban Airport - an allocation of \$6,500 for tree clearing necessary for installation of an automated weather observing system. The proposed budget consists of \$5,850 state and \$650 local funds.

LINDEN

Linden Price Airport - an allocation of \$25,000 for crack repair. The proposed budget consists of \$22,500 state and \$2,500 local funds.

LUDINGTON

Mason County Airport - an allocation of \$110,000 for construction of a snow removal equipment building. The proposed budget consists of \$99,000 federal, \$5,500 state, and \$5,500 local funds.

MACKINAC ISLAND

Mackinac Island Airport - an allocation of \$131,778 for acquisition of snow removal equipment. The proposed budget consists of \$118,600 federal and \$13,178 state funds.

MARQUETTE

Sawyer International Airport - an allocation of \$3,648,000 to purchase two passenger loading bridges, replace three hangar doors, construct general aviation T-hangars, and for an airport layout plan update. The proposed budget consists of \$3,282,600 federal, \$41,200 state, and \$324,200 local funds.

MONROE

Monroe Custer Airport - an allocation of \$177,000 for an airport layout plan update and for design work for construction of a parallel taxiway. The proposed budget consists

Accident Reports

Accident Reports are reprinted from Federal Aviation Administration (FAA), National Transportation Safety Board (NTSB), or Police reports and are for information only. *Michigan Aviation* does not attest to the accuracy of these reports. We do not determine the cause of accidents; that is left to NTSB and FAA investigators.

February

13 Battle Creek, Cessna 172R, pleasure flight, Injuries: 1 Uninjured; aircraft damage: substantial, Wx: Visual meteorological conditions. Accident Report: Aircraft damaged during a loss of directional control and subsequent on-ground collision with terrain while landing on runway 23 at the W. K. Kellogg Airport.

26 Sault Ste. Marie, Cessna 500, air-taxi flight, Injuries: 4 Uninjured; aircraft damage: substantial, Wx: Visual meteorological conditions. Accident Report: Aircraft departed the end of runway 32 (5,235 feet by 100 feet, ice-covered asphalt) at the Sault Ste. Marie Municipal - Sanderson Airport (ANJ), and subsequently encountered terrain. The FBO briefer advised the pilot that the runway was ice-covered and that there was no braking action. A Notice to Airman, published February 15, 2001, and in effect at the time of the accident, stated for ANJ, "icy runway, nil braking."

March

16 Port Huron, Piper PA-28-140, pleasure flight, Injuries: 2 Uninjured; aircraft damage: substantial, Wx: Visual meteorological conditions. Accident Report: Aircraft impacted terrain during takeoff from runway 26 and struck two runway lights.

logical conditions. Accident Report: Aircraft impacted terrain while on approach to runway 4 at Saint Clair County International Airport (PHN). The local flight had departed PHN.

17 Detroit Metropolitan Wayne County Airport, Airbus Industrie A320-200, air carrier flight, Injuries: 3 Minor, 151 Uninjured; aircraft damage: substantial, Wx: Instrument meteorological conditions. Accident Report: Aircraft contacted the runway and the terrain during takeoff. The take-off was initiated on runway 3C (8,500 feet by 200 feet, wet). The flight crew reported that at an airspeed of approximately 110 knots, the nose of the airplane began to lift off. The captain attempted to lower the nose, however, the airplane was unresponsive. The airplane became airborne and climbed to an altitude of 20 to 30 feet above the runway. The captain reduced the power on both engines and the airplane settled to the runway, striking the tail. The airplane traveled approximately 700 off the end of the runway where it came to rest in the muddy terrain. An emergency evacuation was performed during which the L2 evacuation slide did not deploy.

20 Holland Tulip City, Cessna 172K, pleasure flight, Injuries: 1 Uninjured; aircraft damage: substantial, Wx: Visual meteorological conditions. Accident Report: The aircraft veered off the runway when full throttle was applied during takeoff from a touch and go on runway 26 and struck two runway lights.

April

02 Tecumseh, Meyers 200A, pleasure flight, Injuries: 1 Uninjured; aircraft damage: substantial, Wx: Visual meteorological conditions. Accident Report: Aircraft impacted trees and terrain during a forced landing following an in-flight loss of engine power on initial climb out from Meyers Diver's Airport. A post impact fire occurred.

May

5 Lake City, Maule M-7 floatplane, pleasure flight, Injuries: 3 Minor; aircraft damage: substantial, Wx: Visual meteorological conditions. Accident Report: Aircraft flipped over and sank while landing on Lake Missaukee, near Lake City, Michigan. The flight originated from Lake Missaukee earlier that day.

22 Schoolcraft, Bell Helicopter 407, business flight, Injuries: 1 Fatal, 1 Uninjured; aircraft damage: none, Wx: Visual meteorological conditions. Accident Report: A passenger who had been seated in the rear of the helicopter was fatally injured when he was struck by the main rotor blade upon exiting the helicopter. The flight was preparing to depart when the accident occurred.

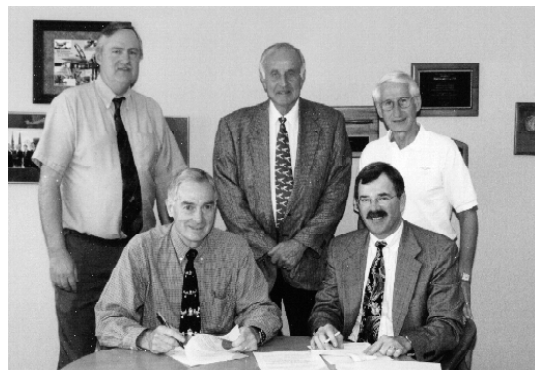
22 Gaylord, Beech 58, pleasure flight, Injuries: 1 Minor; aircraft damage: substantial, Wx: Visual meteorological conditions. Accident Report: The aircraft impacted terrain at a private airstrip near Gaylord, Michigan, following an in-flight loss of engine power during initial takeoff climb.



Aviation In-formation

Wurtsmith Airport, in Oscoda is one of four airports nationwide to be selected for participation in the Federal Aviation Administration's Military Airport Program (MAP). Part of the FAA Airport Improvement Program (AIP). MAP provides financial assistance to the civilian sponsors of military airfields that are being converted to civilian or joint-use airfields or those that already have been converted. The program increases airport capacity by providing the funding to help develop civilian airports and joint-use airports at former military airfields in or near major cities. Wurtsmith-Oscoda, the former Wurtsmith Air Force Base, is the first general aviation airport selected for the program. In addition to serving general aviation, it is a major maintenance facility for large aircraft that can be serviced in the former Air Force hangars. Wurtsmith is designated to receive MAP funds for two years. Two other Michigan airports are also part of the program: Sawyer International Airport, in Marquette and Chippewa International Airport, in Sault Ste. Marie.

Direct User Access Terminal Service (DUATS) users will benefit from a new and improved flight-planning system, if everything goes as planned. The so-called "concept of operations" led by the FAA will incorporate several improvements. One such enhancement includes the ability for pilots and flight service station briefers to simultaneously talk and review the same weather graphics on their respective computer screens. The concept of operations, which was signed last week, pledges that DUATS will provide pilots with direct access to aviation weather, notices to airmen, as well as other information relating to airspace and air traffic control such as flight plan processing tools and interactive briefings with FSS personnel. Pilots will be able to plan a flight off-line, then connect to DUATS via a dial-up or faster



(Seated from left to right) William Gehman, Director of the Michigan Aeronautics Commission, and Cody Welch, President of Horizon Lakes Airpark, LLC, (standing from left to right) Oliver House, Bureau of Aeronautics, Airports Division Administrator; Lowell Kraft, member, Michigan Aeronautics Commission; and Robert Bender, Chairman, Michigan Aeronautics Commission.

Internet connection and download weather, flight information text, graphics, or file flight plans, and then connect with an FSS briefer for more information. Because the pilot and the briefer will both be looking at the same information and graphics, it will be easier for the pilot to see what the briefer is describing.

William Gehman, Director of the Michigan Aeronautics Commission, and Cody Welch, President of Horizon Lakes Airpark, LLC, signed a "first-of-its-kind" agreement on May 2, 2001 in Lansing. The agreement will allow residents of the Horizon Lakes Airpark to access the adjacent Linden-Price Airport. The Bureau of Aeronautics recently purchased the Linden airport in an effort to preserve the once privately-owned airport. In exchange for access to the public airport facilities, the airpark residents association will be providing a portion of the funding for future airport development. This unique public-private partnership could become a model for future airport preservation efforts nationwide. (See photo above)

On June 1, 2001, Federal Aviation Administrator Jane Garvey gave her approval to the long-anticipated sport pilot/light sport airplane proposal. It is now on its way to the U.S. Department of Transportation. Once received, the DOT will have up to 60 days to review the proposal before forwarding it to the Office of Management and Budget, which also has up to 60 days for review.

When that's done, it will return to the FAA for publication in the *Federal Register*. At that time, it will be available for public comment.

The proposed Sport Pilot Certificate has been widely anticipated in recent months. If implemented in its present form, this new grade of certificate will allow pilots to operate aircraft vehicles, which are currently too large to qualify as "ultralight vehicles" under Part 103 of the Federal Aviation Regulations. Under the proposal, light sport aircraft will fall into five different categories: fixed-wing, trike, powered parachute, sailplane/motorglider, and rotorcraft. They will all have the following restrictions in common: not more than two seats, a maximum gross weight of 1,232 pounds, and a stall speed of 39 knots. Additional information about the sport pilot proposal, is available from the Experimental Aircraft Association at www.eaa.org or the U.S. Ultralight Association at www.usua.com.

"Snow crews" at three Michigan airports were recognized for excellence at the 35th annual International Aviation Snow Symposium on April 25, 2001, in Buffalo, New York. The Southwest Michigan Regional Airport, Benton Harbor was the winner in the small general aviation category, Oakland County International Airport, Waterford, was the winner in the large general aviation category, and Detroit Metropolitan Wayne County Airport received an honorable mention in the Large Commercial Airport Category

of \$159,300 federal, \$8,850 state, and \$8,850 local funds.

NEWBERRY

Luce County Airport - an allocation of \$148,444 to relocate power lines and to rehabilitate runway lighting. The proposed budget consists of \$133,600 federal, \$7,422 state, and \$7,422 local funds.

PONTIAC

Oakland County International Airport - an allocation of \$6,766,800 for environmental clearance for relocation of Runway 18/36 and closure of Runway 4/22, design work for taxiway reconstruction, land acquisition for noise mitigation, and construction of an aircraft run-up enclosure. The proposed budget consists of \$6,090,000 federal, \$171,700 state, and \$505,100 local funds.

ROGERS CITY

Presque Isle/Rogers City Airport - an allocation of \$65,000 for an environmental assessment future runway extension. The proposed budget consists of \$58,500 federal, \$3,250 state, and \$3,250 local funds.

ROME

Romeo State Airport - an allocation of \$125,000 for design work for future runway reconstruction. The proposed budget consists entirely of state funds.

SAGINAW

Harry W. Browne - an allocation of \$417,000 to relocate Runway 9/27. The proposed budget consists of \$375,300 federal, \$20,850 state, and \$20,850 local funds.

SAULT STE. MARIE

Chippewa County International Airport - an allocation of \$3,315,556 to construct a new terminal building, apron, entrance road, parking lot, and general aviation hangars. The proposed budget consists of \$2,984,000 federal, \$154,278 state, and \$177,278 local funds.

TROY

Oakland/Troy Airport - an allocation of \$65,000 for design work to modify a water retention basin. The proposed budget consists of \$58,500 federal, \$3,250 state, and \$3,250 local funds.

WEST BRANCH

West Branch Community Airport - an allocation of \$100,000 to acquire snow removal equipment. The proposed budget consists of \$90,000 federal, \$5,000 state, and \$5,000 local funds.



It has been ten years since the first Military Special Use Airspace Chart was published, and four years since publication of the second chart (*Michigan Aviation* Volume 24 Number 2 March 1991 and Volume 30 Number 3 June 1997). The state has seen the closure of two Air Force bases: Wurtsmith AFB, Oscoda and Sawyer AFB, Gwinn. The world has seen the collapse of the Soviet Union, and democratic change in many of their former allies. The Berlin Wall has fallen and the two Germanys reunified. Many of the Western democracies have reduced the size and make up of their armed services to reflect the decreased threat.

The United States, while reducing the size of its active forces, has

maintained strength through the use of the "Total Force" doctrine, which relies on the melding of active, Guard, and Reserve units into a unified force capable of

as their active duty counterparts. This requires constant and rigorous training within our state. Thus, we are publishing the 2001 Michigan Military Special Use Airspace Chart.

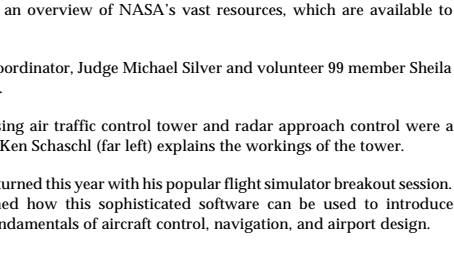
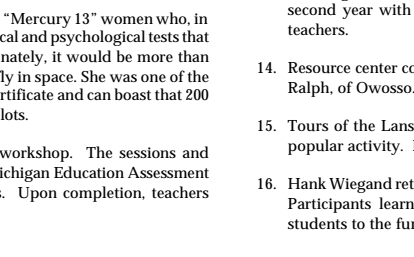
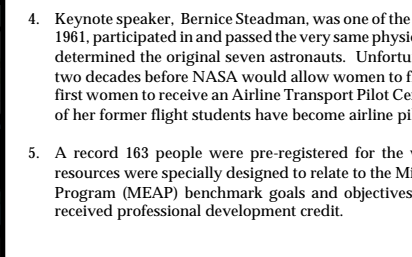
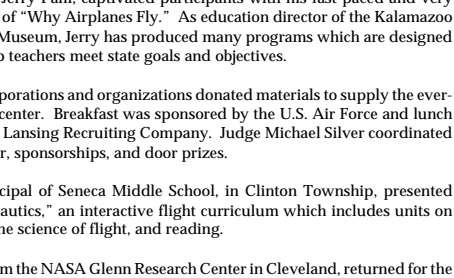
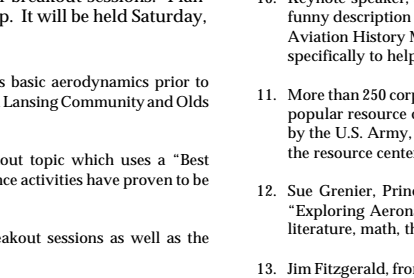
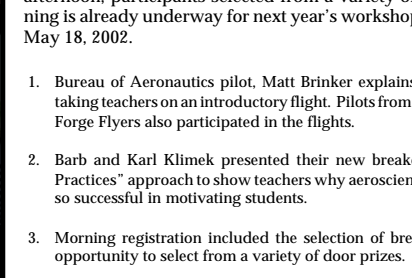
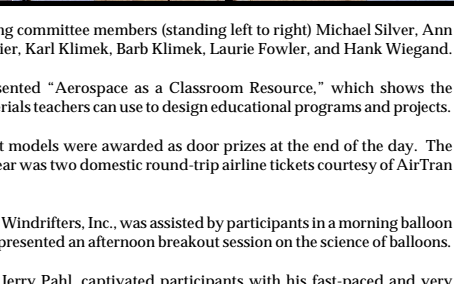
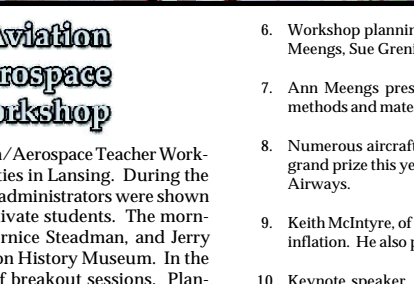
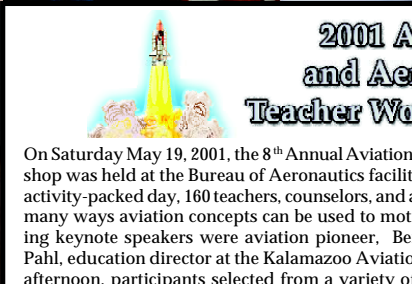
The purpose of the chart is to enlighten civilian pilots to the presence of military training within the state and to enhance collision avoidance techniques. The chart should be used in conjunction with other charts during flight planning.

The Bureau of Aeronautics has also updated the pilot safety presentation "Bullets, Bandits, and Bonanzas II" which explains in detail military operations within the state.



An Air National Guard C-130 in formation with 2 F-16s over the Mackinac Bridge.

countering any threat. The Michigan Guard and Reserve units must meet the same demanding training requirements



2001 Aviation and Aerospace Teacher Workshop

On Saturday May 19, 2001, the 8th Annual Aviation/Aerospace Teacher Workshop was held at the Bureau of Aeronautics facilities in Lansing. During the activity-packed day, 160 teachers, counselors, and administrators were shown many ways aviation concepts can be used to motivate students. The morning keynote speakers were aviation pioneer, Bernice Steadman, and Jerry Pahl, education director at the Kalamazoo Aviation History Museum. In the afternoon, participants selected from a variety of breakout sessions. Planning is already underway for next year's workshop. It will be held Saturday, May 18, 2002.

1. Bureau of Aeronautics pilot, Matt Brinker explains basic aerodynamics prior to taking teachers on an introductory flight. Pilots from Lansing Community and Olds Forge Flyers also participated in the flights.
2. Barb and Karl Klimek presented their new breakout topic which uses a "Best Practices" approach to show teachers why aerospace activities have proven to be so successful in motivating students.
3. Morning registration included the selection of breakout sessions as well as the opportunity to select from a variety of door prizes.
4. Keynote speaker, Bernice Steadman, was one of the "Mercury 13" women who, in 1961, participated in and passed the very same physical and psychological tests that determined the original seven astronauts. Unfortunately, it would be more than two decades before NASA would allow women to fly in space. She was one of the first women to receive an Airline Transport Pilot Certificate and can boast that 200 of her former flight students have become airline pilots.
5. A record 163 people were pre-registered for the workshop. The sessions and resources were specially designed to relate to the Michigan Education Assessment Program (MEAP) benchmark goals and objectives. Upon completion, teachers received professional development credit.
6. Workshop planning committee members (standing left to right) Michael Silver, Ann Meengs, Sue Grenier, Karl Klimek, Barb Klimek, Laurie Fowler, and Hank Wiegand.
7. Ann Meengs presented "Aerospace as a Classroom Resource," which shows the methods and materials teachers can use to design educational programs and projects.
8. Numerous aircraft models were awarded as door prizes at the end of the day. The grand prize this year was two domestic round-trip airline tickets courtesy of AirTran Airways.
9. Keith McIntyre, of Windrifters, Inc., was assisted by participants in a morning balloon inflation. He also presented an afternoon breakout session on the science of balloons.
10. Keynote speaker, Jerry Pahl, captivated participants with his fast-paced and very funny description of "Why Airplanes Fly." As education director of the Kalamazoo Aviation History Museum, Jerry has produced many programs which are designed specifically to help teachers meet state goals and objectives.
11. More than 250 corporations and organizations donated materials to supply the ever-popular resource center. Breakfast was sponsored by the U.S. Air Force and lunch by the U.S. Army, Lansing Recruiting Company. Judge Michael Silver coordinated the resource center, sponsorships, and door prizes.
12. Sue Grenier, Principal of Seneca Middle School, in Clinton Township, presented "Exploring Aeronautics," an interactive flight curriculum which includes units on literature, math, the science of flight, and reading.
13. Jim Fitzgerald, from the NASA Glenn Research Center in Cleveland, returned for the second year with an overview of NASA's vast resources, which are available to teachers.
14. Resource center coordinator, Judge Michael Silver and volunteer 99 member Sheila Ralph, of Owosso.
15. Tours of the Lansing air traffic control tower and radar approach control were a popular activity. Ken Schaschl (far left) explains the workings of the tower.
16. Hank Wiegand returned this year with his popular flight simulator breakout session. Participants learned how this sophisticated software can be used to introduce students to the fundamentals of aircraft control, navigation, and airport design.